



1F12 (631)

USSN: 09/528,682  
Atty. Dkt. No.: PP00342.105  
2302-0342.10

**PATENT**

**CERTIFICATE OF MAILING PURSUANT TO 37 CFR § 1.8**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on **July 12, 2004**.

7/12/04

Date

*Michelle Hobson*

Signature

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Application of:

PIZZA et al.

Serial No.: 09/528,682

Filing Date: March 20, 2000

Title: IMMUNOGENIC DETOXIFIED  
MUTANT E. COLI LT-A TOXIN

Examiner: M. Borin

Group Art Unit: 1631

Confirmation No.: 5794

Customer No.: 20855

**TRANSMITTAL LETTER**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing, please find the following documents:

X Response to Office Action (12 pg)

X Return receipt postcard

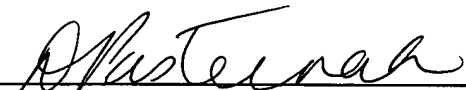
The fee is calculated as follows:

	NO. OF CLAIMS	CLAIMS PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	26	- 26	0	x \$18.00	\$0
Independent Claims	4	- 4	0	x \$86.00	\$0
Multiple dependent claims not previously presented, add \$290.00					\$0
Total Amendment Fee					\$0
Petition for Extension of Time Fee					\$0
Small Entity Reduction (if applicable)					\$0
<b>TOTAL FEE DUE</b>					<b>\$0</b>

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§1.16, 1.17, and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 18-1648.

Respectfully submitted,

Date: July 12, 2004

By:   
Dahna S. Pasternak  
Attorney for Applicant  
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**RESPONSE TO OFFICE ACTION**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

This paper is in response to the Office Action, mailed on May 5, 2004, for which a response is initially due on or before August 5, 2004. Accordingly, this response is timely filed.

**Amendments to the Claims** begin on page 2 of this paper.

**Remarks** begin on page 6 of this paper.